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APPLICATION NO.	/ Pi	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,726	05/09/2001		Rudolf Wagner	Mo-6222/LeA 34,367	3650
34947	7590	07/30/2004		EXAMINER	
LANXESS PATENT D		RATION ENT/ BLDG 14	JASTRZAB, KRI	SANNE MARIE	
100 BAYER ROAD				ART UNIT	PAPER NUMBER
PITTSBURGH, PA 15205-9741				1744	

DATE MAILED: 07/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
	09/851,726	WAGNER ET AL.
Office Action Summary	Examiner	Art Unit
	Krisanne Jastrzab	1744
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet wi	th the correspondence address
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 Clafter SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by a Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a roon. a reply within the statutory minimum of thirt eriod will apply and will expire SIX (6) MON statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed on general section is FINAL. This action is FINAL. Since this application is in condition for all closed in accordance with the practice under the condition is in condition. 	This action is non-final. owance except for formal matt	•
Disposition of Claims		
4) ☐ Claim(s) 1-11 is/are pending in the application 4a) Of the above claim(s) 11 is/are withdrated 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-10 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and are subject to restriction and are subject to by the Example 10) ☐ The drawing(s) filed on is/are: a) ☐ Applicant may not request that any objection to	nwn from consideration. and/or election requirement. miner. accepted or b) □ objected to be the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the co		•
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International But * See the attached detailed Office action for a	ments have been received. ments have been received in A priority documents have been ureau (PCT Rule 17.2(a)).	pplication No received in this National Stage
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date 2.	B) Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152)

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I, claims 1-10 in the reply filed on 12/30/2003 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Ando et al., U.S. patent No. 5,447,983.

Ando et al., teach the use of a mondisperse aminomethylated bead polymer to perform gas adsorption wherein the bead polymer is prepared as set forth in the instant claims. Ando et al., teach that large sized porous polymer beads having a cross linked degree of from 40 to 80% are effective in gas adsorption for such gases as sulfuric oxide. See column 1, lines 34-37 and column 6, lines 15-60.

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 8-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ando et al., as applied to claims 1-7 above, and further in view of Funke DE 19830470 (abstract).

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Funke teaches the use of a cross-linked bead polymer in the adsorption of metabolically produced carbon dioxide.

It would have been well within the purview of one of ordinary skill in the art to utilize the bead polymer of Ando et al., in gas adsorption associated with re-breathing, such as respiratory devices, diving equipment and survival systems, because, as taught in Funke, bead polymers are effective in adsorption of respiratory gases, as those are metabolically produced.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Krisanne Jastrzab whose telephone number is 571-272-1279. The examiner can normally be reached on Mon.-Wed. 6:30am-4:00pm and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Warden can be reached on 571-272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Krisanne Jastrzab Primary Examiner Art Unit 1744

July 27, 2004